

U.S.S.N. 10/628,610

SPECIFICATION:

Please amend the specification as follows:

Please replace the paragraph beginning at page 6, line 1, with the following, amended paragraph:

Referring now to FIG. 2, illustrated therein is one preferred embodiment of a circuit architecture upon which the method may be executed. A battery 200 is provided having at least one electrochemical cell 204 disposed therein. The battery further includes safety circuitry 207 for protecting against battery faults, and charging circuitry 203 for controlling the current being delivered to the cell 204. The safety circuitry 207 and charging circuitry 203 may be combined into a single circuit. Components 300-303 are present in FIG. 2.

Please amend the paragraph beginning at page 6, line 12 as follows:

A temperature sensor 205, like a thermistor for example, is provided for sensing the temperature of the cell. For typical lithium-ion applications, the amount of energy stored in the cell 204 is proportional to the voltage across the cell 204, which is read by a voltage sensing line 206[[5]]. Other chemistries may not exhibit this energy-voltage proportionality, and other energy storage measurement techniques, like fuel gauging, may be preferential.